



Batillaria attramentaria

Asian estuarine mudsnail, Asian hornsnail, Japanese false cerith

Threat Scores

1. Ecological Impact
 - Reduces native biodiversity, displaces California native snail - *Centidea californica*
 - Success due to its resistance to parasites that affect *C. californica*
 - Has helped increase eelgrass cover in Padilla Bay, Washington (USA)
 - Also becomes the shelter for hermit crabs after its death
 - Caused a significant change in Elkhorn Slough, (California, USA)
2. Invasive Potential
 - Low potential to expand range without human assistance.
3. Geographic Extent
 - Locally patchy
4. Management Difficulty
 - Hand removal used to remove visible individuals

Geography and Habitat

1. Native: Japan, Hong Kong
2. Introduced: Washington, Oregon, California
3. Habitats
 - Marine, estuaries, bays, riparian zones, wetlands
 - Found in marshes, mudflats, and pannes (small ponds in salt marshes)

Invasion Pathways

1. Stocking in open water
 - Aquaculture purposes
 - Introduced with *Crassostrea gigas*

Non-Native Locations

1. 55- North American Pacific Fjordland
2. 56- Puget Trough/Georgia Basin
3. 57- OR, WA, Vancouver
4. 58- Northern California

Sources

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2. <http://www.issg.org/database/species/ecology.asp?si=1150&fr=1&sts=&lang=EN>
3. [http://www.bily.com/pnwsc/web-content/Photos/Gastropods/Batillaria%20attramentaria%20\(GGG.B.%20Sowerby%20I,%201855\),%20LS%20photo.jpg](http://www.bily.com/pnwsc/web-content/Photos/Gastropods/Batillaria%20attramentaria%20(GGG.B.%20Sowerby%20I,%201855),%20LS%20photo.jpg)
4. <https://nas.er.usgs.gov/queries/FactSheet.aspx?speciesID=1034>

